

**In the Specification:**

Please amend the specification as shown:

Please delete the paragraph on page 8, lines 18-31, and replace it with the following paragraph:

3) Cloning of the flanking homologous DNA fragments needed for homologous recombination by polymerase chain reaction (PCR) using 129 mouse genomic DNA as a template. For examples, the transgene can be targeted onto the Hprt locus (see Melton et al., 1984 for gene sequences) of the X chromosome, or the Tspy pseudogene locus (see Vogel et al., 1998 for sequences) of the Y chromosome. Specifically, a ~4 Kb fragment can be amplified between exon 6 and exon 7 of the Hprt gene using the primer CAGTACAGCCCCAAAATGGT (SEQ ID NO: 1) and primer GAGGTCCCTTTCACCAAGCAA (SEQ ID NO: 2); a ~1.3 Kb fragment can be amplified between exon 8 and exon 9 of the Hprt gene using primer AGTTTGTTGGATATGCC (SEQ ID NO: 3) and primer CCTCTTAGATGCTGTTACTG (SEQ ID NO: 4); a ~1 Kb DNA fragment can be amplified from the 5' end of the Tspy pseudogene by using primers AGGAGAGTGTGGGCATG (SEQ ID NO: 5) and AAATGCACAATCTAAAGC (SEQ ID NO: 6); and a ~1.5 Kb fragment can be amplified from the 3' end of the Tspy pseudogene by using primers CTCCAAGGACTGCTCTCA (SEQ ID NO: 7) and AACATGAGAACATGGTA (SEQ ID NO: 8).